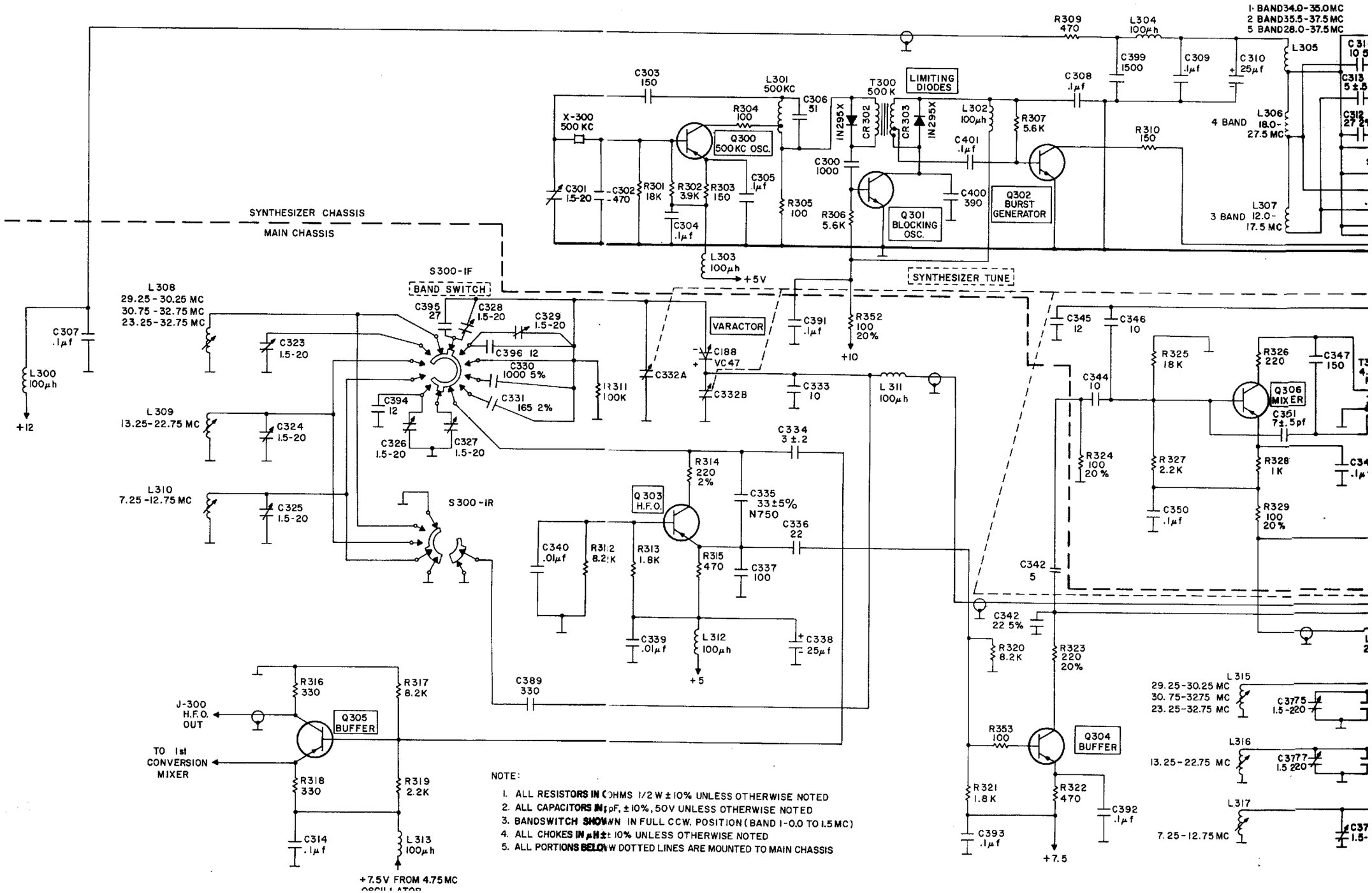

NOTE:

1. ALL RESISTORS IN OHMS 1/2 W ± 10% UNLESS OTHERWISE NOTED
2. ALL CAPACITORS IN pF, ± 10%, 50V UNLESS OTHERWISE NOTED
3. BANDSWITCH SHOWN IN FULL CCW. POSITION (BAND 1-0.0 TO 1.5 MC)
4. ALL CHOKES IN μH ± 10% UNLESS OTHERWISE NOTED
5. ALL PORTIONS BELOW DOTTED LINES ARE MOUNTED TO MAIN CHASSIS

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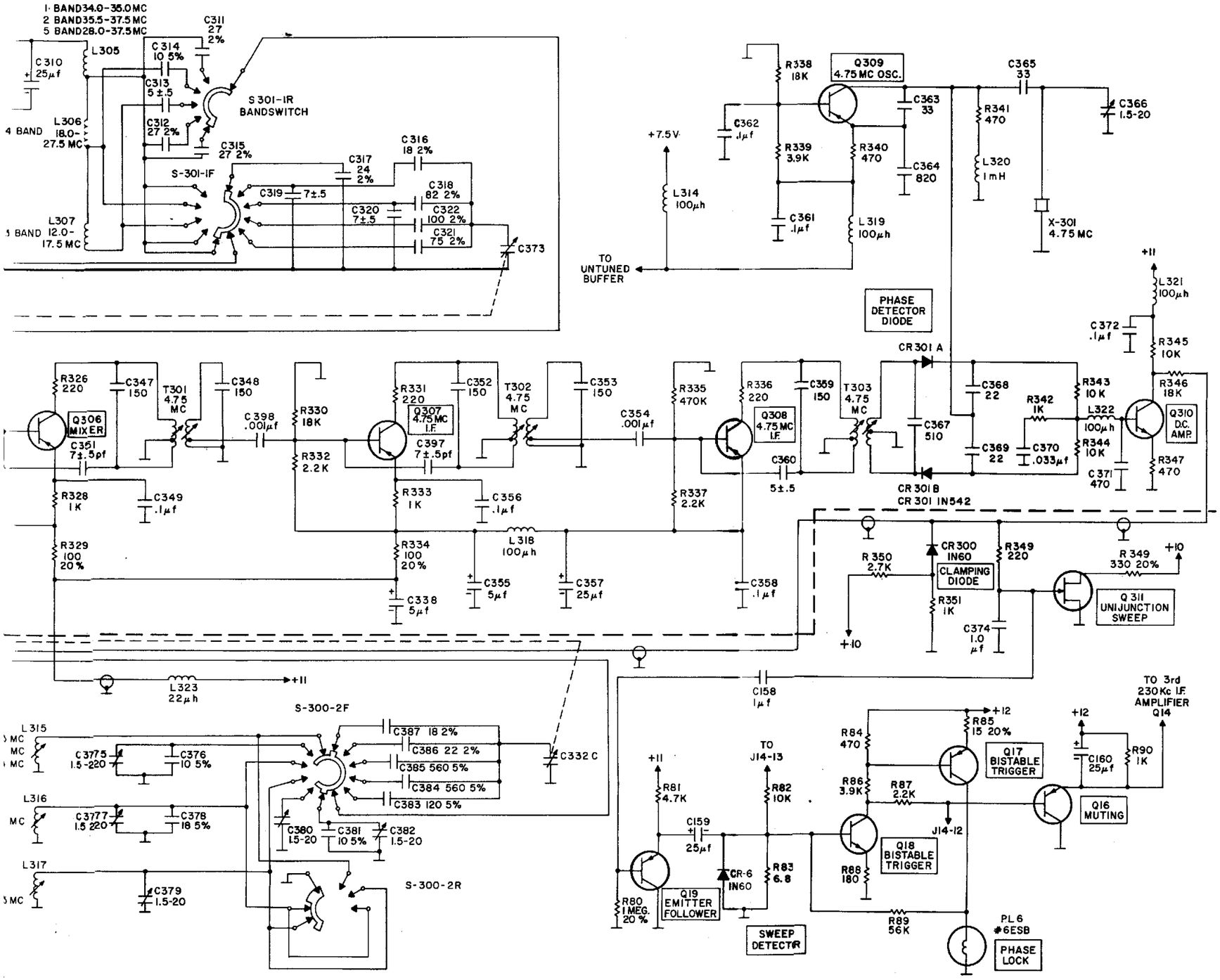

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PRESELECTOR TUNING

S1-1F BAND SWITCH MC

T1 10-20 MC

T2 20-30MC

T3 0.5-1.5MC

T4 1.5-4 MC

T5 4-10MC

S1-1R

S1-2F

S1-2R

S1-3F

S1-3R

Q1 R.F. AMP

Q2 26MC OSC

Q3 26MC BUFFER

Q4 26MC BUFFER

Q11 AGC EMITTER FOLLOWER

Q12 1st 230Kc I.F.

Q13 2nd 230Kc I.F

Q14 3rd 230Kc I.F.

Q15 B.F.O.

AGC VOLTAGE DOUBLER

AGC THRESHOLD

BAND 1 UP CONVERSION DIODE

BAND 2 UP CONVERSION DIODE

AM DETECTOR

PRODUCT DETECTOR

S4-1F FUNCTION

S4-1R

NOTCH DEPTH

NOTCH TUNING

BIFILAR NOTCH L 21

R.F. GAIN

J3 LO. FREQ INPUT

J4 28 MC OUTPUT

J6 B.F.O. OUTPUT

J11 230Kc I.F. OUTPUT

INPUT FROM FILTER 230 Kc I.F.

TO J14-10 AGC, PNP OUTPUT

TO J14-9 AGC, NPN OUTPUT

TO PNP AGC

TO Q16 MUTING

TO J14-11

TO J14-18

TO J14-1

TO J14-2

TO J14-14

+12V

+11V

+11

+10V

+7.5

+8V

+1V

AGC NPN

OFF STBY SSB AM CAL

10db 20db 30db ON OFF

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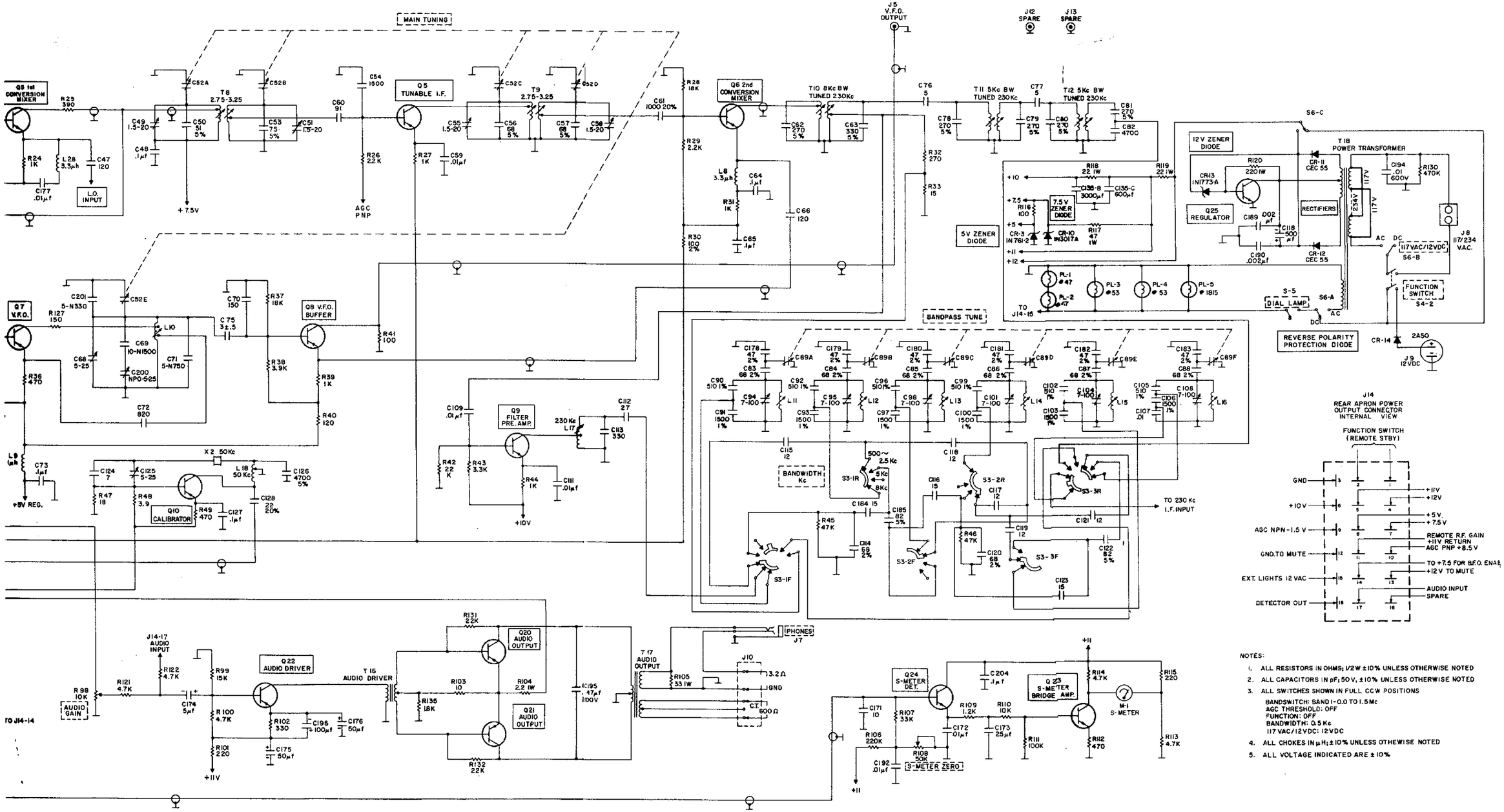

NOTES:

1. ALL RESISTORS IN OHMS; 1/2W ±10% UNLESS OTHERWISE NOTED
2. ALL CAPACITORS IN pF, 50V, ±10% UNLESS OTHERWISE NOTED
3. ALL SWITCHES SHOWN IN FULL CCW POSITIONS
   BANDSWITCH: BAND I-0.0 TO 1.5Mc
   AGC THRESHOLD: OFF
   FUNCTION: OFF
   BANDWIDTH: 0.5 Kc
   117 VAC/12VDC: 12VDC
4. ALL CHOKES IN μH; ±10% UNLESS OTHEWISE NOTED
5. ALL VOLTAGE INDICATED ARE ±10%

SCHEMATIC DIAGRAM—RECEIVER
FIGURE 50

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